

Appl. No. 09/681,571

Declaration being sent by fax 13 October 2005

**RECEIVED
CENTRAL FAX CENTER**

OCT 13 2005

I hereby certify that this correspondence is being facsimile transmitted to the Central Facsimile Number of the United States Patent and Trademark Office on 13 October 2005. (3 pages total)

Typed or printed name: Ann M. Agosti
Signature: Ann M. Agosti

Appl. No. : 09/681,571
Applicant : Manoj R. Shah
Filed : 1 May 2001
Title : Electric Machine Stator Including Keybars
TC/A.U. : 2123
Examiner : Sharon, Ayal I

Docket No. : RD28623
Customer No. : 6147

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Transmission of Declaration

Enclosed is a Declaration for a phone discussion among the Examiner, Applicant's undersigned representative, and inventor Manoj Shah on 10 November 2005 at 1:30pm.

In reading the declaration, Applicant notes that the declaration does not include all of the information on Dr. Gott's present activities. Dr. Gott is a consultant. For General Electric Company, this means that he is called upon four or five times a year and asked to participate in design reviews where his expert opinion would be useful. If it would be important for Applicant to add this to the declaration and obtain Dr. Gott's signature again, please advise.

An Office Action in response to the 1 September 2005 non-final rejection will be forwarded shortly after the phone discussion.

Respectfully submitted,

By Ann M. Agosti
Ann M. Agosti
Reg. No. 37,372
General Electric Company
Building K1, Room 3A66
One Research Circle
Niskayuna, New York 12309
Telephone: (518) 387-7713

Appl. No. 09/681,571
Declaration October 2005

RECEIVED
CENTRAL FAX CENTER

OCT 13 2005

Appl. No. : 09/681,571
Applicant : Manoj R. Shah et al.
Filed : 1 May 2001
Title : Electric Machine Stator Including Keybars
TC/A.U. : 2123
Examiner : Sharon, Ayal I

Docket No. : RD28623
Customer No. : 6147

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION

I, Brian E. B. Gott, say that I received a Bachelor of Technical Science Degree in Electrical Engineering from the University of Manchester, England, Faculty of Technology in 1963; and that I received a Master of Technical Science Degree from the University of Manchester in Electrical Engineering in 1964; and that I received the degree of Doctor of Philosophy from the University of Manchester in 1966.

I was employed by the General Electric Company from 1968 through 2001. I conducted research in the field of electromagnetic design of large rotating electrical machines, and led teams involved in the design of turbo generators from 30 MVA through 1560 MVA. I have written numerous technical papers on different aspects of electrical machine design, and have received six patents. I have been the US technical expert on turbo generators in the US delegation to IEC TC 2, writing international standards on electrical machines, a member of the ANSI C50 committee, and am an IEEE Fellow.

I was not and am not directly involved in the project. I am reviewing the patent application at the request of Manoj Shah to make an assessment as to whether there is sufficient information to convey the claimed concepts and enable the use of the invention.

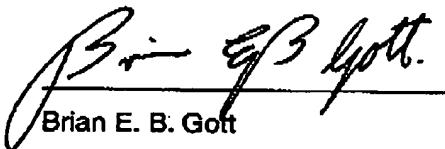
On reviewing the application, I found that the concepts were sufficiently well described to enable a design engineer familiar with the design and construction of large rotating electrical machines to apply them after suitable finite element analysis of the electromagnetic design of a specific machine. One

Appl. No. 09/681,571
Declaration October 2005

method for performing the finite element analysis is to use simulation software. A design engineer could use such software after familiarizing himself with the software through self-study or an introductory course.

The terms used in the description are clear and well understood by such a designer, and an engineer familiar with the design of rotating electrical machinery can readily understand the concepts described in the claims. The analysis needed is of the type routinely carried out by electromagnetic design engineers employed by companies engaged in the design and manufacture of large electrical machinery. The state of the art of this analysis is such that the results can be directly applied to the machine design without any need for experimentation. The accuracy of the analysis would typically be validated during the routine testing of the completed machine, and would not entail unusual effort or expense.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued therefrom.



Brian E. B. Gott
Highland Park Farms
3109 Lake Road
Delanson, NY 12053
USA

Date 10/06/05